

Norman H. Bangerter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

March 19, 1987

Gregory H. Boyce
Director, Environmental Affairs
Kennecott
P.O. Box 11248
Salt Lake City, Utah 84044

RE: UCD Modernization
Kennecott Corporation
Flotation and Molybdenum
Recovery Facilities Addition
Construction Permit

Dear Mr. Boyce:

We have completed our review of the plans and specifications for the Flotation and Molybdenum Recovery Facilities submitted to us on December 9, 1986 and your response to our request for additional information submitted to us on February 19, 1987.

The plans and specifications as submitted comply with the Wastewater Disposal Regulations. Therefore, a construction permit is hereby issued as constituted by this letter subject to the following conditions:

1. Any modifications to the approved plans and specifications must be reviewed and approved before issuance to the prospective bidders or the contractor as applicable.
2. Inspection and operation reports for the 5-inch diameter steel concentrate pipeline shall be kept on file in your office and made available upon request.
3. A pipeline failure of the 5-inch diameter steel concentrate pipeline is unacceptable. In the event of such a failure, Kennecott will be responsible for the necessary clean-up.
4. A formalized spill procedure should be developed for the copper concentrate pipeline and incorporated into Kennecott's existing spill prevention/containment program.

This permit does not relieve you in any way of meeting other applicable local and discharge permit (issued under the National Pollutant Discharge Elimination System) requirements. If the approved project is not under construction within one year, then it will become necessary to resubmit the plans and specifications for reissuance of this construction permit.

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Gregory H. Boyce
March 19, 1987
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The scope of the project covered by this construction permit is in addition to the construction permit previously issued on August 6, 1986, and consists of the following:

- a. The previously permitted 48-inch diameter slurry (flotation feed) pipeline will now be used to carry tailings to the tailings pond. The pipeline will be constructed as previously approved. The pipeline has adequate capacity to carry the design flow of approximately 38,000 gallons per minute (gpm).
- b. The previously approved storm water retention ponds will be constructed as designed and have adequate capacity to capture the run-off from a 10 year 24 storm event including that generated by the addition of the Flotation and Molybdenum Recovery Facilities. The Zone III retention pond will possess adequate capacity to capture any spillage from the grinding, flotation and molybdenum circuits that may occur during an emergency or unexpected shutdown as well as the storm water.
- c. A 5-inch diameter steel pipeline will be constructed to transport copper concentrate slurry from the Copperton plant to the existing Utah smelter with most of the pipeline being laid along the same corridor as the 48-inch tailings and 48-inch process water pipelines. The copper concentrate pipeline will be pumped under pressure and will be buried typically with 3.5 feet of cover along its entire 90,060 foot length. The pipe construction will consist of field welded joints with shrink sleeves and the pipes strength will allow a maximum internal pressure of 1155 pounds per square inch. A passive cathodic protection system with anodes at approximately 0.5 mile intervals will be provided for corrosion protection.

A set of approved plans and specifications is returned herewith bearing our construction permit stamp. This set of plans must be kept available for examination and inspection to be conducted by the Bureau of Water Pollution Control, and for resolution of any conflicts or discrepancies in installation that may arise.

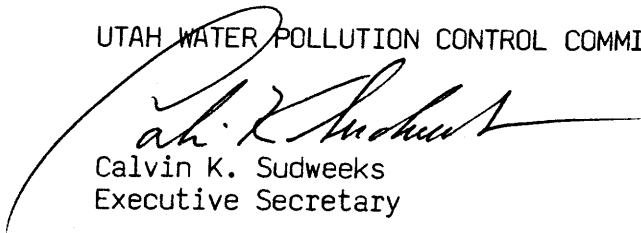
Please advise us of the beginning of construction. This will enable us to monitor the progress and schedule periodic inspections. Any change affecting this project should be forwarded to this office for review to assure compliance with the construction permit and the Wastewater Disposal Regulations. We further request a copy of as-built drawings be provided after the final inspection conducted by this office and placing the completed work in service. This copy incorporating all of the changes that occurred during construction will enable us to keep our information accurate.

Gregory H. Boyce
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We appreciate the cooperation of your engineers in various meetings and discussions with our staff. If we can be of further assistance in any way, please contact Mr. Bryon Elwell or Mr. Don Ostler of our staff at 538-6146.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE



Calvin K. Sudweeks
Executive Secretary

BOE:jgh

cc: Al Trbovich, Kennecott
Kent Miner, SLCHD
Don Robinson, BAQ
Wayne Hedberg, DOGM
Bob Morgan, DWR

0466-28



CC: AMT 7
FOR Distribution

Norman H. Bangerter

Suzanne Dandoy, M.D., M.P.H.

March 20, 1987

MAR 23 1987

G. H. ROYCE

Mr. Gregory H. Boyce
Kennecott UCD Modernization
P.O. Box 11248
Salt Lake City, Utah 84044

RE: Billing for Plan Review and
Construction Permit

Dear Mr. Boyce:

Included in the FY1984 appropriation request of the Utah Department of Health, Division of Environmental Health was a proposed schedule of fees. This was included pursuant to Legislative Intent language and Utah Code 26-1-6 Annotated. The proposed fee schedule was approved by the 1983 Legislature, with modifications made by the 1986 Legislature.

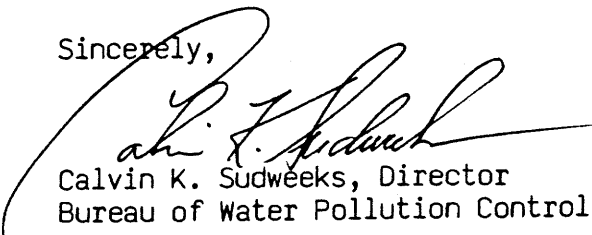
The fee schedule includes a \$100.00 filing fee and a charge equal to the Bureau of Water Pollution Control's actual costs for plan review and issuance of a construction permit. It is Division policy to charge either the filing fee or the actual direct costs plus 7%, whichever is greater. The billing for your recently issued construction permit is enclosed. Please remit \$178.57 to:

Utah Bureau of Water Pollution Control
P.O. Box 16690
Salt Lake City, Utah 84116-0690

A copy of the Division of Environmental Health's Fee Schedule has been included for your information. If you have any questions please contact Mr. Don Ostler at (801) 538-6146.

Sincerely,

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km 3/25/87


Calvin K. Sudweeks, Director
Bureau of Water Pollution Control

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Enclosures

FEE FOR SERVICE
BUREAU OF WATER POLLUTION CONTROL
PLAN REVIEW

PROJECT NAME Kennecott UCD Modernization
Flotation & Molybdenum Facilities

BILLING ADDRESS Mr. Gregory H. Boyce
Kennecott
P.O. Box 11248
Salt Lake City, Utah 84044

DATE CONSTRUCTION
PERMIT ISSUED 3/1/87

I. DIRECT COSTS
A. STAFF REVIEW

Date	Reviewer	Hours	Rate	Cost
<u>12/9/86</u>	<u>Bryon Elwell</u>	<u>1</u>	<u>\$12.94</u>	<u>\$12.94</u>
<u>1/14/87</u>	<u>Bryon Elwell</u>	<u>2</u>	<u>\$12.94</u>	<u>\$25.88</u>
<u>1/16/87</u>	<u>Bryon Elwell</u>	<u>1</u>	<u>\$12.94</u>	<u>\$12.94</u>
<u>1/20/87</u>	<u>Bryon Elwell</u>	<u>1</u>	<u>\$12.94</u>	<u>\$12.94</u>
<u>1/21/87</u>	<u>Bryon Elwell</u>	<u>1</u>	<u>\$12.94</u>	<u>\$12.94</u>
<u>3/11/87 & 3/12/87</u>	<u>Bryon Elwell</u>	<u>4</u>	<u>\$12.94</u>	<u>\$51.76</u>
	SUBTOTAL:	<u>10</u>		<u>\$129.40</u>

A. STAFF TRAVEL

Date	Reviewer	Hours	Rate	Cost
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-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
	SUBTOTAL:	-----		-----

TOTAL FOR A AND B: \$129.40

II. INDIRECT/OTHER COSTS

A. OVERHEAD @38% \$49.17 (OF STAFF TOTAL*)

B. TRAVEL EXPENSE _____ MILES AT \$ _____ PER MILE + PER DIEM

C. OTHER _____ DESCRIPTION _____

TOTAL FOR A, B, C: \$49.17

III. COST SUMMARY

TOTAL ACTUAL & INDIRECT COSTS: \$178.57

FILING FEE RECEIVED: (- 0 -)

AMOUNT DUE** \$178.57

*7% INDIRECT COSTS AND 31% EMPLOYEE BENEFITS

**TOTAL COST - INDIRECT AND DIRECT - OR \$100.00, WHICHEVER IS GREATER.
LESS FILING FEE RECEIVED

The "Actual Direct Costs" will include every employee's time spent on the review. (Accumulative hours spent at the employee's hourly rate). Also included in the costs will be 29% of the wages for fringe benefits, any long distance telephone calls, any necessary travel and per diem, and photo-copy expense.

The additional 7% of salaries and fringe benefits represents these costs which can not be directly associated with the cost of plan review, ie building rent, office supplies, etc. The percentage was determined from the '82 July 'Old' Budget Operating Report. These fees would not be assessed to sister state agencies or any political subdivision of the State of Utah.

EXISTING FEE SCHEDULE

General Sanitation

Food Service Sanitation Regulations	\$ 5.00
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NEW FEE SCHEDULE

Bureau of Air Quality

Utah Air Conservation Regulations	\$ 3.50
Utah State Implementation Plan	3.50
Utah Air Conservation Act	1.90
Filing Charge (Notices of Intent)	50.00
Major and Minor Source Plan Review	Actual Direct Cost + 7%
Major and Minor Source Compliance Inspection	Actual Direct Cost + 7%

NEW FEE SCHEDULE

Bureau of Water Pollution Control

Waste Water Disposal Regulations	3.50
7 parts (50¢ each)	5.00
Identification of Aquifers	5.00
305(b) Water Quality Report	50.00
Filing Charge	Actual Direct Cost + 7%
Certification of Dredge and Fill Permit	Actual Direct Cost + 7%
Certification of NPDES Discharge Permit	Actual Direct Cost + 7%
Engineering Plan Review (Issuance of Construction Permit)	Actual Direct Cost + 7%

NEW FEE SCHEDULE

Bureau of Public Water Supplies

Safe Drinking Water Regulations	6.00
Specialized Computer Runs	Actual Direct Cost + 7% + .02¢/page
Filing Charge	50.00
Plan Review (Issuance of Construction Permit)	Actual Direct Cost + 7%

NEW FEE SCHEDULE

Bureau of Solid And Hazardous Waste Management

Utah Hazardous Waste Management Regulations	\$ 9.00
Filing Charge	50.00
Plan Review of Hazardous Waste Storage Treatment and Disposal	Actual Direct Cost + 7%
Plan Review of Solid Waste Management Facilities	Actual Direct Cost + 7%